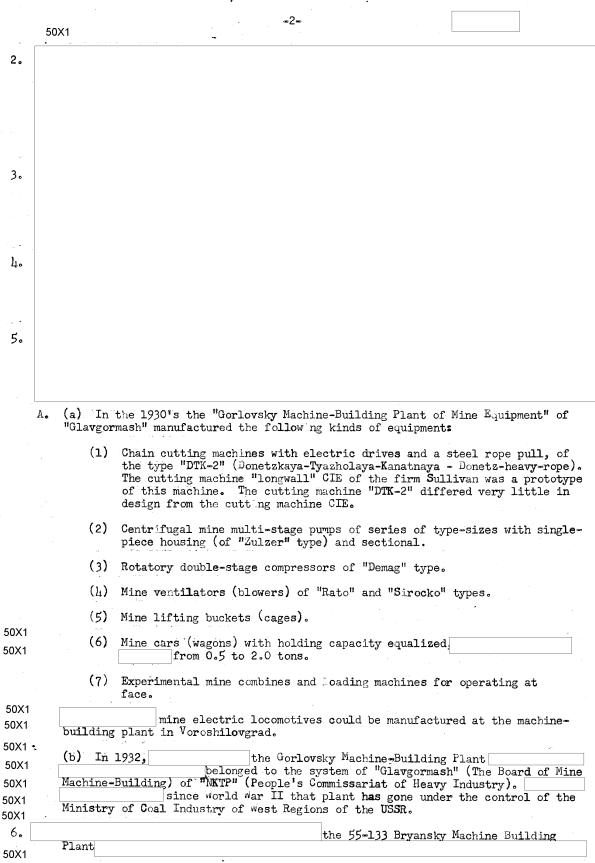
50X1

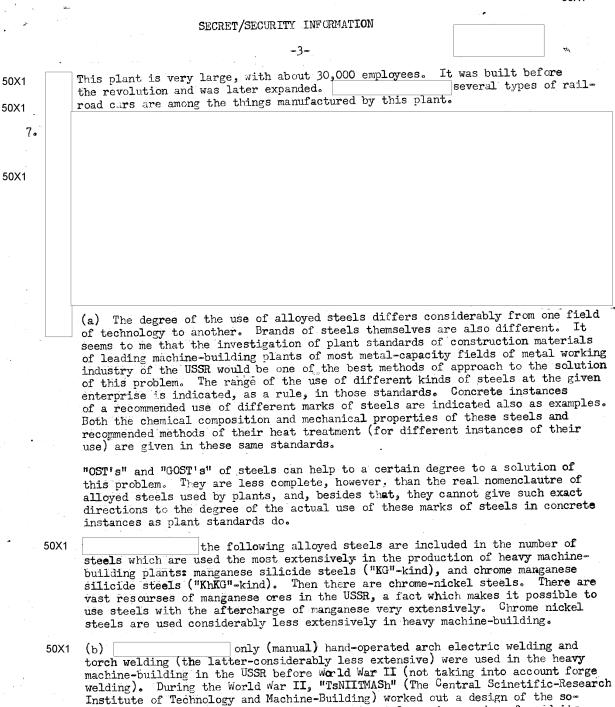
	CLASSIFICATION SECRET/SECURITY INFORMATION
	CENTRAL INTELLIGENCE AGENCY
	INFORMATION REPORT
COUNTRY	USSR DATE DISTR. 2 Sept 52
SUBJECT	Industrial PlantsMiscellaneous Info on Production NO. OF PAGES 5 and Equipment 50X1
PLACE ACQUIRED	NO. OF ENCLS. (LISTED BELOW)  50X1
DATE ACQUIRED	
DATE OF I	SOX1 50X1
THIS DOCUMENT OF THE UNITED S AND 794, OF THE LATION OF ITS FROMIBITED BY L	THIS IS UNEVALUATED INFORMATION  TO SERVICE AND APPECTING THE MATIONAL DEFENSE  TO UNE CODE, AS AMERIDAD. ITS TANABUSISTION OR REVEC.  TOWNSTATES TO OR RECEIPT BY AN UNAUTHORIZED FERSON IS  ANY. THE REPRODUCTION OF THIS FORM IS PROHIBITED.
1.	
50X1	
50X1	
	The structural organization of the system of administration of industry in the USSR has changed several times. Names of establishments and their integral parts, those managing certain branches of industry or dealing with certain special
	problems, have also changed. one should have lists of People's Commissariats, Ministries (as they were changed), and the boards of the People's Commissariats. These lists
50X1	appeared in Soviet newspapers several times at least before world war II, in connection with their reorganizations.  each plant is included in a number of enterprises of only one industrial board, and is
	subordinated to this board. In some cases known to me, machine-building plants have manufactured simultaneously both civilian and military items. Hence, if the first assumption is correct, the conclusion can be drawn that the
50X1	board responsible for civilian production may at the same time be responsible for military production. several Machine-building plants which
50X1 50X1	were included in a number of enterprises of different Ministries before World War II, manufactured tanks during the war. One plant in this category was the "UZTM" (Uralsky Heavy Machine-Building Plant imeni Ordzhonikidze), which before
50X1	World War II was included in the system of plants of "MTM" (the Ministry of Tank Industry, where it remained at least until 1946. In 1946, however, it was
50X1	persistently affirmed that "UZTM" would be returned to "MTM" in the nearest future, and in all probability, this has occurred. there were no plans concerning the dissolution of the Ministry of Tank Industry.
. A	** Control the description of the virial of the state of
· .4	CLASSIFICATION CORPORA (CONTINUE TO CONTINUE TO CONTIN
STATE	CLASSIFICATION SECRET/SECURITY INFORMATION  X NAVY X AEC X DISTRIBUTION
ARMY	X AIR X FBI X ORR EV

50X1

## SECRET/SECURITY INFORMATION



50X1



The momenclature of hot-rolled shapes and solid cross sections is very narrow in the USSR. The nomenclature of products of cold rolling in the USSR is narrow to an even greater degree. In cases known to me, the shortage of profiles of

called welding combine, built up its experimental specimen and performed its tests. To my knowledge the welding combine found it necessary to make automatic arch electric welding under a thick layer of fluxes. It has been said that the welding combine was of a very large roductiveness, that it was capable of welding steel plates and thick sheets and that it guaranteed the quality of seams with the safety factor equalized to one. It has also been said, that the welding combine was most successful and would be "introduced" into industry,

hot-rolled products has been compensated chiefly at the expense of composing of necessary cross sections of steel sheets and strips cemented with electric welding. 

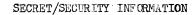
the equipment of "TSMK" (the steel structure shop) of

i e it would be manufactured and used at plants.

50X1

t	SECRET/SECURITY INFORMATION 5	50X1
•	~}_∞	
	"NKMZ" (Novo-Kramatorsky Machine-Building Plant) allowed flanging and angular bending of a steel strip and of a sheet of a comparatively small sizes in a cold state.	
0X1 0X1	The individual character of the main manufacture of "NKMZ" did not reserve the possibility for development of forging in stamps not taking into account military orders. Except the period of World War II, the free forging was dominant at "NKMZ".	
8.		
50X1 50X1	in the thirties cutting machines of the longwall type operate almost exclusively in the coal mines of the <b>D</b> onetz Basin. Cutting machines of the longwall type were then considered to be the most appropriate for the existing working conditions at the majority of mines in the Donetz Basin.	
9.	·	
50X1	Before world war II experimental machin of these types, manufactured by the Gorlovsky Machine-Building Plant, were in the test and "finishing" stages the work on the manufacture of these experimental machines has been done at the experimental plant of mine equipment, situated near the railroad station "Malakhovka" at a distance of a few tens of kilometers from Moscow.	50X1
10.		
50X1	before World War II the process of "bottom swage" (cutting) of coal and of "conveyance" to intermediate drifts was fully mechanized at slanting layers of coal mines of the Donetz Basin. Loading on conveyors, however, was performed by hand. Conveyance of coal to a stockyard (to a shaft of a mine) along principal minings of a mine (slopes, drifts, crosscuts) was mechanized to a considerable degree. however, horse pull was used even at	ng o
50X1	principal drifts and crosscuts of many mines. Hoisting in vertical and sloping shafts was equipped with skips and cages. New mine hoists were made only with drives from electric motors.	g
11.		
50X1		
	(a) There was the so-called "Technical Department "2" or, as it was often call "Spetz Otdel" (special department) at "NKMZ" in Kramatorsk.	led,
	(b) The Technical Department "2" was occupied with problems of military production at this plant. Among the duties of this department were the following: Preparation of all Documents of order for manufacture; delivery of orders to manufacture (shops); giving of consultations necessary to shops on the problems of manufacture of special production; relations with customers.	
50X1	<u></u>	

12.



-5-

50X1

•	
50X1	Any instances of shutdowns of the plant "NKMZ" in Kramatorsk or its individual shops because of difficulties with materials are unknown to me. Steam-hydraulic presses of "KPTs" (Forge-Pressing Shop) of "KNMZ" in Elektrostal were put out of service several times because of the absence of steam (1943-1944), as a result of a lack of coal. At the same time, coal was consumed by the plant in relatively small quantities, just enough to keep the boilers going until permission for use of the inviolable stock was received from "MTM". This situation lasted several days each time, but only until coal was acquired. Then the inviolable stock was restored, and the normal operation of the steam-hydraulic
	presses was again begun. 50X1
13.	
50X1	
00/(1	
50X1	All kinds of foodstuffs for
50X1	people, all kinds of fodder for livestock, extracted raw materials, semifinished products, finished articles of all fields of industry, all can be either in the process of turnover (including consumption) or in the process of storage (preservation). Storage as used here is not understood as that often taking place in the manufacturing process, but rather the storage at the bases of state material and provision reserves.  [ foodstuffs and forage which are exempted from current consumption by the Soviet authorities are stored at bases of provision (food) reserves. These foodstuffs are reserve funds (stocks)
	of the Government, accumulated firstly, in case of war, and secondly, for
	trade with other countries the same principles should be appl50X1 to the so-called material reserves.
- , <del>-</del>	oo and so-carred maderial reserves.
14.	
50X1	each large Soviet industrial enterprise has stored at the
50X1	plant its inviolable stock of all principal kinds of fuel which it uses, and of some basic materials which, if there should be an interruption of
50X1	delivery in them, would cause a shutdown of the plant. Also, there are in existence official norms on the nomenclature and quantities. on
50X1	methods of storage and renovation, and on the rules of use and replacement.  at "NKMZ" in Electrostal, the inviolable stock - "NZ" - of coal had to be equal in its volume to the two-week consumption. This level was not.
	however, always maintained. Many times during World War II, the plant had in
	reserve a coal supply for only two to three days.

-end-